

N<sup>o</sup>-11-

August 29<sup>th</sup> 1889

Sept'r 1<sup>st</sup> 1889-

D<sup>r</sup> 3078.

Hy<sup>d</sup> 1865 to 1963.

No. 1865 Hydrog. Date Aug. 29<sup>th</sup> 1889.

Tanner Machine. — Reel.

Turns 119 Cor. + 4 Depth 123 fms.

~~Shot or~~ lead 25 lbs.

Bottom M.

Bottom temperature 45.4°

No. of Thermometer 57264. Cor. - 0.4°

Corrected temperature 45.0°

Air 60° Surface 59° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

A. M. DOWN.	UP.
7. 02. 30	7. 06. 45
03. 25	04. 25
03. 35	7. 03. 50

TURNS.

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400

DREDGE ROPE.

DOWN. UP.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS.

NC 3.  
507

No. 1866 Hydrog. Date Aug. 29<sup>th</sup> 1889.

Tanner Machine. — Reel.

Turns 88 Cor. + 3 - Depth 91 fms.

~~Shot or~~ lead 25 lbs.

Bottom M.

Bottom temperature 45.7°

No. of Thermometer 57264. Cor. - 0.4°

Corrected temperature 45.3°

Air 60° Surface 59° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

A.M.

7.45.22

7.48.20

0

46.08

7.46.15

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

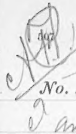
2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.


 No. *Ny 1867* Date *Aug. 29/89*  
*anner* Machine. — Reel. —  
 Turns *78* Cor. + *3* Depth *81*  
 Shot or lead *25 lbs.*  
 Bottom *W & fine gy S.*  
 Bottom temperature *45.6*  
 No. of Thermometer *57264* Cor. *-0.4°*  
 Corrected temperature *45.2°*  
 Air *60* Surface *60* Drift.  
 Trawl or dredge or tangles \_\_\_\_\_

<i>A.W.</i> SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8-31-45</i>	<i>8-34-30</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

#### REMARKS.

No. 1

No. Hy. 1868 Date Aug. 29/89.  
 Cannon Machine. — Reel.

Turns 56 Cor. + 2 Depth 58

Shot or lead 25 lbs.

Bottom fine gy. s.

Bottom temperature 46.1

No. of Thermometer 54264 Cor. - 0.4°

Corrected temperature 45.7°

Air 61 Surface 60 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
A. M. 9-14-30	9-16-0	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS.

No. Hy. 1869. Date Aug. 29/89.

Tanner. Machine. — Reel.

Turns 40 Cor. + 2 Depth 42.

Shot or lead 25 lbs.

Bottom fine gy S + sh.

Bottom temperature 47.8

No. of Thermometer 59264 Cor. -0.4°

Corrected temperature 47.4°

Air 61 Surface 60 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

9-55-30

9-56-45

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Screw Headed Rock core 8 1/2 in. (mag)

distant 4.3 -

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *114* Date *July 1, 1881*  
*Reel* Machine. - Reel. *6*  
 Turns *43* Cor. + *2* Depth *45*  
 Shot or lead *25 lb*  
 Bottom *fine gy. s.*  
 Bottom temperature *47.6*  
 No. of Thermometer *54264* Cor. - *0.4*  
 Corrected temperature *47.2*  
 Air *61* Surface *60* Drift.  
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10-40-30</i>	<i>10-41-30</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Three inch rope to P.E. 578 E.*

*distance 4.7 -*

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11-23-80	11-25-0	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *Hy. 100* Date *May 14*

*Sigsbee* Machine. — Reel. *0*

Turns *70* Cor. + *3* Depth *73*

~~Shot or lead~~ *25 lbs*

Bottom *fine gy S*

Bottom temperature *46*

No. of Thermometer *54262* Cor. *-0.4*

Corrected temperature *45.6°*

Air *61* Surface *62* Drift.

Trawl or dredge or tangles *—*

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12-03-15</i>	<i>12-05-15</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Cape Cod. from 4 bearing S. E. x E. 2 1/2 miles*

*distant 1 1/3 -*



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P.M. DOWN.	UP.		DOWN.	UP.
12.48.20	51.10	0		
49.05	12.49.10	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*H. 32*

No. 184 Date Aug. 29<sup>th</sup> 1897.

Tanner Machine. — Reel.

Turns 116 Cor. + 4. Depth 120 fms.

~~Shot or~~ lead 25 lbs.

Bottom gy. s. bk. sp.

Bottom temperature 45.5°

No. of Thermometer 57264 Cor.

Corrected temperature 45.1°

Air 62° Surface 61° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.32.35	36.30	0		
33.45	1.33.50	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1407

No. 1875 Hydrog. Date Aug. 29 1880

Tanner Machine. — Reel.

Turns 253 Cor. + 6 Depth 259 fms.

~~Shot~~ or lead 25 lbs.

Bottom n. M.

Bottom temperature 42.8°

No. of Thermometer 57264. Cor. -0

Corrected temperature 42.4°

Air 62° Surface 61° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2. 18. 50	2. 22. 40	0		
19. 45	24. 50	100		
21. 05	23. 05	200		
21. 45	22. 25	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1876 Hydrog. Date Aug. 29<sup>th</sup> 1889.

Machine. — Reel.

Turns 210 Cor. + 6 Depth 216 fms.

Shot or lead 25 #s.

Bottom gn. M.

Bottom temperature 43.2°

No. of Thermometer 57.264 Cor. -0.4°

Corrected temperature 42.8°

Air 63° Surface 62° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3.05.05

3.12.00

0

06.00

09.45

100

07.05

3.00.00

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

K.C. 2

No. 1877 Date Aug. 29<sup>th</sup> 1877.  
 Tanner Machine. — Reel.

Turns 232 Cor. + 6. Depth 238 fms

~~Shot~~ or lead 25 lbs.

Bottom yel. M.

Bottom temperature 43.0°

No. of Thermometer 57264. Cor. -0.4°

Corrected temperature 42.6°

Air 64° Surface 66° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
P.M. 3.50.20	3.58.05	0		
51.05	56.00	100		
52.00	53.20	200		
52.20	3.52.50	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

Date

Aug 29/

Machine. — Reel. //

Turns 211 Cor. + 6 Depth 217

Shot or lead

Bottom

Bottom temperature 43.3

No. of Thermometer 542164 Cor. -0.4

Corrected temperature 42.8

Air 64 Surface 66 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *114* *1879* Date *Aug.*

Machine. — Reel.

Turns *126* Cor. + *4* Depth *130*Shot or lead *25 lb*Bottom *cu.*Bottom temperature *44.8*No. of Thermometer *57264* Cor. *0*Corrected temperature *44.4*Air *64* Surface *66* Drift.Trawl or dredge or tangles *—*

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

117, 5

No. 180 Hydrog. Date Aug. 2, 1881

Machine. — Reel.

Turns 15 Cor. + 3 Depth 88 fms.

Shot or lead 25 lbs.

Bottom gn. M.

Bottom temperature 46°

No. of Thermometer 57264 Cor. - 0.4'

Corrected temperature 45.6

Air 68° Surface 64° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P.M. DOWN.	UP.		DOWN.	UP.
6.01.20	04.05	0		
02.30	6.02.40	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Case 2 not in file 117, 5. Neg. dis. 10.



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1881 Date Aug 17<sup>th</sup> 1899

Machine. Reel.

Turns 50 Cor. + 2 Depth 52 fms.

Shot or lead 25 lbs.

Bottom for gy. s.

Bottom temperature 46.5°

No. of Thermometer 57264. Cor.

Corrected temperature 46.1

Air 68° Surface 64° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.43.38	45.15	0		
44.10	6.44.20	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1682 Hydrog. Date Aug. 29<sup>th</sup> 1889.

Tanner Machine. — Reel.

Turns 47 Cor. + 2 Depth 49 fms.

~~Shot or~~ lead 25 lbs

Bottom fine gy. s.

Bottom temperature 46.3°

No. of Thermometer 57,264. Cor.

Corrected temperature 45.9°

Air 63° Surface 61° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

7.33.50

35.45

0

34.20

7.34.40

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Cape Lookout Br. 1.12 E. (true) dist. 7.5-

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *111* Date *10 Aug 1881*  
*Canner* Machine. — Reel.

Turns *46* Cor. + *2* Depth *48*

Shot or lead *25 lbs.*

Bottom *fine g. s.*

Bottom temperature *47.2*

No. of Thermometer *5726f* Cor.

Corrected temperature *46.8*

Air *62* Surface *66* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*W. 30*

- 0
- 100
- 200
- 300
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *Hy. 1884*

Date

*Aug.**Tanner*

Machine. — Reel.

Turns *82* Cor. + *3* DepthShot or lead *25 lbs.*

Bottom

*gy. s. bk. sp.*Bottom temperature *46*No. of Thermometer *57264* Cor.Corrected temperature *45.6°*Air *62* Surface *61* Drift.

Trawl or dredge or tangles

*V. C. W.* SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

*9-16-0**9-19-0**0*

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 114, 150 Date 2/29/00

Tanner Machine. — Reel.

Turns 115 Cor. + 4 Depth 119

Shot or lead 25 lbs.

Bottom gn. m.

Bottom temperature 45.2

No. of Thermometer 57264 Cor.

Corrected temperature 44.8°

Air 62 Surface 60 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10-07-0

11-0

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

167

No. *Hy. 1886* Date *Aug. 24/97*

*Tanner* Machine. — Reel.

Turns *185* Cor. *1* *5* Depth *190*

Shot or lead *25 lbs.*

Bottom *gn. m.*

Bottom temperature *43.8*

No. of Thermometer *5126* Cor.

Corrected temperature *43.4°*

Air *67* Surface *67* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11-0-0</i>	<i>07-0</i>	0		
<i>01-30</i>		100		
<i>02-0</i>	<i>11-2-15</i>	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 44

Date

Aug. 27/89.

Machine. — Reel.

Turns 186 Cor. + 5 Depth 191

Shot or lead 35 lbs.

Bottom gy. m.

Bottom temperature 43.5

No. of Thermometer 54264 Cor. -

Corrected temperature 43.4°

Air 62 Surface 60 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

55-15 12-1-30

16-0 Aug 27. P.M.

56-30 11-57-0

0

100

86

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

617

No. *1* Date *Aug. 30<sup>th</sup> 1881*

*Tanner* Machine. — Reel.

Turns *237* Cor. + *6* Depth *243 fms.*

~~Shot or lead~~ *25 lbs.*

Bottom *M.*

Bottom temperature *43.0°*

No. of Thermometer *57.264.* Cor. *·*

Corrected temperature *42.6°*

Air *62°* Surface *62°* Drift.

Trawl or dredge or tangles

A.M. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12.43.50</i>	<i>12.52.20</i>	0		
<i>44.45</i>	<i>50.00</i>	100		
<i>45.40</i>	<i>47.30</i>	200		
<i>46.08</i>	<i>12.46.30</i>	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

NC 57

No. 1894 Date Aug. 6<sup>th</sup> 1895

Tanner Machine. — Reel.

Turns 197 Cor. + 6. Depth 203 fms.

~~Shot or~~ lead 25 lbs.

Bottom M.

Bottom temperature 43.9°

No. of Thermometer 571264 Cor.

Corrected temperature 43.5°

Air 62° Surface 62° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.37.00	1.43.15	0		
37.50	41.05	100		
38.50	1.39.15	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1890 Hydrog. Date Aug. 30<sup>th</sup> 1889.

Tanner Machine. — Reel.

Turns 97 Cor. + 3. Depth 100 fms.

~~Shot or lead~~ 25 lbs.

Bottom M.

Bottom temperature 45.8°

No. of Thermometer 57264. Cor.

Corrected temperature 45.4°

Air 62° Surface 62° Drift.

Trawl or dredge or tangles

A.M. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.23.	25.	0		
25.5	16.10	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*K. C. C.*

No. 1891 *H. D. S.* Date *Aug. 2<sup>nd</sup> 1887*

*Sigsbee* Machine. Reel.

Turns *76* Cor. + *3*. Depth *79 fms.*

~~Shot or lead~~ *25 lbs.*

Bottom *M.*

Bottom temperature —

No. of Thermometer *57264* Cor. *-0.4*

Corrected temperature —

Air *62°* Surface *61°* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>A. T.</i>				
<i>3.13.50</i>	<i>15.45</i>	0		
<i>14.40</i>	<i>3.14.50</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

# REMARKS.

*Thermometer # 57,266 broken while  
landing.*

1007

No. 1892 Hy. . . Date Aug. 30<sup>th</sup> 1889.

Tanner Machine. — Reel.

Turns 61 Cor. + 2 Depth 63 fms.

Shot or lead 25 lb.

Bottom M. S.

Bottom temperature 46.0°

No. of Thermometer 51451 Cor. .

Corrected temperature 45.7°

Air 62° Surface 61° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4.00.20	02.30	0		
01.00	4.01.08	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Station St. Louis S.E. 1/4 E. 1/4 Sec. 11



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *73* Date *Aug 30/80*

*Garner* Machine. — Reel.

Turns *34* Cor. + *1* Depth *35*

Shot or lead *25 lbs*

Bottom *fine gy. S.*

Bottom temperature *48*

No. of Thermometer *51451* Cor. *0*

Corrected temperature *47.1*

Air *62* Surface *61* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

*4-44-0*

*4-45-15*

*down in 15 min S.E. 3/4 S. (max) dist. 13.1.*

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 12

Date

Aug. 1881

Machine. — Reel.

Turns 32 Cor. + 1 Depth 33

Shot or lead 25 lbs.

Bottom

Bottom temperature

No. of Thermometer 51431 Cor. - 0.

Corrected temperature 48.0°

Air 62 Surface 61 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

5-30-30

5-31-30

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

1100  
 1200  
 1300  
 1400  
 1500  
 1600  
 1700  
 1800  
 1900  
 2000  
 2100  
 2200  
 2300  
 2400

1100  
 1200  
 1300  
 1400  
 1500  
 1600  
 1700  
 1800  
 1900  
 2000  
 2100  
 2200  
 2300  
 2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Date \_\_\_\_\_

*Machine. — Reel.*

Turns	52	Cor. +	/	Depth
-------	----	--------	---	-------

Shot or lead 25

Bottom fine. 24 0'

Bottom temperature 48°

No. of Thermometer 514157 Cor.

Corrected temperature 47.9°

*Air* 59 *Surface* 61 *Drift.*

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
0-12-30	6-03-30	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 111

Date

Machine. — Reel,

Turns 44 Cor. + 2 Depth 46

Shot or lead 25 lbs.

Bottom fine. g. s.

Bottom temperature 48

No. of Thermometer 57451 Cor.

Corrected temperature 47.7°

Air 60 Surface 61 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS:

## DREDGE ROPE.

DOWN.

UP.

46-30 6-47-0

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 11

1897

Date

Aug. 30

7

Machine. — Reel.

Turns 62 Cor. + 2 Depth

Shot or lead 25 lbs.

Bottom

Bottom temperature 46.1

No. of Thermometer 51451 Cor.

Corrected temperature 45.8°

Air 60 Surface 60 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

29-307

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *11898* Date *Aug. 30/89.*

Machine. Reel.

Turns *84* Cor. + *13* DepthShot or lead, *25 lbs.*Bottom *fine g.*Bottom temperature *45.2*No. of Thermometer *5, 451* Cor.Corrected temperature *45.5°*Air *60* Surface *60* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 5110 Date July 2, 1881

Machine. Reel.

Turns 151 Cor. + 5 Depth 156 fms.

Shot or lead 25 lbs.

Bottom fine gy. s. bk.

Bottom temperature 44.5°

No. of Thermometer 51451. Cor. - 0.3°

Corrected temperature 44.2°

Air 60° Surface 60° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

8.56.12 9.00.35

0

57.05 58.55

100

59.50 60.50

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1000 Date (Jan 20 1881)

Tanner Machine. — Reel.

Turns 211 Cor. + 6. Depth 217 fms

Shot or lead 25 lbs.

Bottom sd. M.

Bottom temperature 42.0

No. of Thermometer 51451. Cor. -

Corrected temperature 41.7°

Air 61° Surface 61° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
A.M. 9.37.45	9.45.10	0		
40.30	43.30	100		
41.20	42.00	200		
2.25		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1901 Date

Sanner Machine. — Redl.

Turns 135 Cor. + 4 Depth

~~Shot~~ or lead 25 lbs.

Bottom H. S.

Bottom temperature 45.0°

No. of Thermometer 51451. Cor.

Corrected temperature 44.7°

Air 62° Surface 61° Drift.

Trawl or dredge or tangles

C. M. SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10.27.45 10.31.30

0

10.31.30 22

100

10.31.30 10

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 122 Hydrog Date Aug 24 1885  
Tanner Machine. — Reel.

Turns 304 Cor. + 7. Depth 311 fms.

Shot or lead 25 lbs.

Bottom gn. M.

Bottom temperature 41.0°

No. of Thermometer 51451. Cor. - 0.1

Corrected temperature 40.9°

Air 62 Surface 1° Drift.

Trawl or dredge or tangles

#### SOUNDING WIRE.

DOWN.

UP.

#### TURNS.

#### DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *Hy. 1903.* Date *14 Aug. 30,**Lucas* Machine. — Reel.Turns *333* Cor. + *7* Depth *340*Shot or lead *25*Bottom *fine bk s.*Bottom temperature *41*No. of Thermometer *51451* Cor. *-1*Corrected temperature *40.9°*Air *61* Surface *61* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

<i>P. 11</i>					
<i>12-08-0</i>	<i>19-30</i>	0			
		100			
		200			
<i>11 0 13</i>		300			
		400			
		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *1104* Date *Oct 1**Wm. H. Sigsbee* Machine. — Reel.Turns *150* Cor. + *5* Depth *155*Shot or lead *25 lb.*Bottom *gy. M.*Bottom temperature *44.5*No. of Thermometer *57451* Cor.Corrected temperature *44.5*Air *61* Surface *61* Drift.Trawl or dredge or tangles *—*

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *Hy 1905* Date *27**Sigsbee* Machine. — Reel.Turns *119* Cor. + *4* Depth *123*

Shot or lead

Bottom

Bottom temperature *45*No. of Thermometer *4451* Cor.Corrected temperature *44.8*Air *61* Surface *61* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. N4 1906 Date

Machine. Reel.

Turns 91 Cor. + 3 Depth 94

Shot or lead 15 lbs

Bottom sl

Bottom temperature 45

No. of Thermometer 51451 Cor.

Corrected temperature 45.1

Air 57 Surface 57 Drift.

Trawl or dredge or tangles —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2-31-5

2-50

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *14.1907* Date *Aug 30 10**Anchor* Machine. — Reel.Turns *58* Cor. + *2* Depth *1*Shot or lead *35 lb.*Bottom *fine b.*

Bottom temperature

No. of Thermometer *51451* Cor.Corrected temperature *46.1°*Air *56* Surface *59* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

Date

Machine.

Reel.

Turns 58 Cor. +

Depth 60

Shot or lead

Bottom gr. S T M

Bottom temperature 20.0

No. of Thermometer

Cor.

Corrected temperature

Air 56 Surface 41 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1074 Date Aug. 25<sup>th</sup> 1877

Tanner Machine. — Reel.

Turns 41 Cor. + 0 Depth 43 fms.

Shot or lead 25 lbs.

Bottom fine gy.

Bottom temperature 47.0°

No. of Thermometer 51451 Cor. - 0

Corrected temperature 46.7°

Air 56 Surface 59° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4. 45. 45	117. 10	0		
46. 05	4. 46. 15	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Station 1074  
Tanner Machine  
Reel  
Shot or lead 25 lbs.  
Bottom fine gy.  
Bottom temperature 47.0°  
No. of Thermometer 51451  
Corrected temperature 46.7°  
Air 56 Surface 59° Drift.  
Trawl or dredge or tangles

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

Date

Machine.

Reel.

Turns 27

Cor. + 1

Depth 28 fms.

~~Shot or lead~~ 25 lbs.

Bottom fine, gy. s.

Bottom temperature 48.8°

No. of Thermometer 51451 Cor. -0.3

Corrected temperature 48.5°

Air 56° Surface 56° Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

5. 27.30

28.00

0

27.45

5. 28.00

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Haul in chain, wire over

port rail. regains lat. 5. 55. - at 2615.

P.M. - having cleared at -

1 Orange, 2 Red Cores, 3. 3. at the Lucio -

N. E. Trail

Maquena lead light 1/2 mile for

distance 6.5-

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *191* Date *Aug 31 1880*

Machine. Reel.

Turns *57* Cor. + *1* Depth *28*Shot or lead *35 lbs.*Bottom *fine gy. S. bk. &*Bottom temperature *47.2*No. of Thermometer *51451* Cor.Corrected temperature *47.5*Air *56* Surface *56* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

H.S.T.

No. 1912 ~~Revised~~ Date Aug 24 1881  
Tanner Machine. — Reel.

Turns 27 Cor. + 1 Depth 28 fms.

Shot or lead 25 lb.

Bottom fine gy. S.

Bottom temperature 47.0°

No. of Thermometer 51451 Cor.

Corrected temperature 46.7°

Air 57° Surface Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
P.M. 13	14.25	0		
13:35	8.14.00	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

507

No. 1913 Hydro. Date Aug 30<sup>th</sup> 1107

Sigsbee Machine. — Reel

Turns 41 Cor. + 2 Depth 43

Shot or lead 25 lbs.

Bottom fine gy. s.

Bottom temperature 46.1

No. of Thermometer 51451 Cor.

Corrected temperature 45.8°

Air 56° Surface 56° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.57.10	11.30	0		
0.1.30	9.5.15	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1914 Date

Machine.- Redl.

Turns Cor. + 0 Depth 112

Shot or lead 35 lbs.

Bottom rocky (clay.)

Bottom temperature 45.1

No. of Thermometer 6145 Cor.

Corrected temperature 44.8

Air 56° Surface 56° Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

7.58

10.0

0

1.58

9.58

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

507  
No. 1915 Hydrog. Date Aug. 3

anner Machine. — Reel.

Turns 54 Cor. + 2. Depth

~~Shot or lead~~ 25 lbs.

Bottom crs. bk. S.

Bottom temperature 45.5°

No. of Thermometer 51451 Cor. -

Corrected temperature 45.2°

Air 56° Surface 56° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS:

DREDGE ROPE.

DOWN.

UP.

10.46.10 46.05

46.45 10.47.00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 12 Hydrog. Date

Machine. — Reel.

Turns 76 Cor. + 3 Depth 79 fms.

Shot or lead 25 lbs.

Bottom fine gy. S.

Bottom temperature 45.4°

No. of Thermometer 51451 Cor.

Corrected temperature 45.1°

Air 55° Surface 58° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

P.M. DOWN.

UP.

DOWN.

UP.

11.32.25

34.45

0

33.15

11.33.30

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

Date *May 21**Union* Machine. — Reel. *1*Turns *162* Cor. + *5* Depth *167*Shot or lead *25 lbs.*Bottom *S.*Bottom temperature *43.4*No. of Thermometer *51451* Cor. *-0.3*Corrected temperature *43.1°*Air *55* Surface *58* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*12-24-0* *29-0**25-0* *12-25-30*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *Hy. 1918* Date *May 31**Tanner* Machine. — Reel.Turns *259* Cor. + *6* Depth *265*Shot or lead *25 lbs.*Bottom *sl.*Bottom temperature *51.7*No. of Thermometer *55451* Cor.Corrected temperature *41.3°*Air *66* Surface *57* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

*1-24-30**30-0**0**26-10**100**27-0**1-27-30**200**300**400**500**600**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400*

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1

Date May 1

Machine. — Reel.

Turns 286 Cor. + 4 Depth 290

Shot or lead 35 lbs.

Bottom m.

Bottom temperature 41.

No. of Thermometer 1451 Cor.

Corrected temperature 40.9°

Air 56 Surface 57 Drift.

Trawl or dredge or tangles +

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

A.W.

2-20-30

2-30-0

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *Hy. 1920* Date *Aug. 5/8*

Machine. — Reel.

Turns *215* Cor. + *7* Depth *222*Shot or lead *35 lbs.*Bottom *W.*Bottom temperature *41.4*No. of Thermometer *51451* Cor. .Corrected temperature *41.3*Air *56* Surface *58* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*10-30* *5-30**11-30**12-30**13-30* *3-14-0*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

H. 607

No. 1921 Hydrog. Date Aug. 31<sup>st</sup>

Trawl Machine. Reel.

Turns 81 Cor. + 3 Depth 84 fms.

Shot or lead 25 lbs.

Bottom M. S.

Bottom temperature 46.0°

No. of Thermometer 51451 Cor.

Corrected temperature 45.7°

Air 59° Surface 58° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4.11		0		
4.12.50	07.37	100		
5.10	4.05.25	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1922 Hydro. Date Aug. 31<sup>st</sup> 188

Machine. — Reel.

Turns 49 Cor. + 2. Depth 51 fms.

Shot or lead 25 lbs.

Bottom Cl.

Bottom temperature 46.7°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature. 46.4°

Air 56° Surface 57° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4. 57.50	59.25	0		
58.20	4.58.30	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

507

No. 1923 Hydro. Date Aug, 31<sup>st</sup> 71

Tanner Machine. — Reel.

Turns 54 Cor. + 2 Depth 56 fms.

~~Shot or lead~~ 25 lbs.

Bottom bk. S. & G.

Bottom temperature 46.5

No. of Thermometer 51451 Cor. - 0.3

Corrected temperature 46.2

Air 56° Surface 59° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
C. M. 5:13.25	45.10	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1924 Hydro. Date Aug. 3

Tanner Machine. — Reel.

Turns 52 Cor. + 2. Depth 54 fm.

Shot or lead 25 lbs.

Bottom gy. s. bk.

Bottom temperature 46.0

No. of Thermometer 51451 Cor.

Corrected temperature 45.7°

Air 56° Surface 56° Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

6. 11					
6. 11		51.50	0		
6. 11	43	6. 50.05	100		
			200		
			300		
			400		
			500		
			600		
			700		
			800		
			900		
			1000		
			1100		
			1200		
			1300		
			1400		
			1500		
			1600		
			1700		
			1800		
			1900		
			2000		
			2100		
			2200		
			2300		
			2400		



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 25 Hydro. Date Aug. 31<sup>st</sup> 1889

Machine. — Reel.

Turns 43 Cor. + 2 Depth 45 fms.

Shot or lead 25 lbs.

Bottom gy. S. bk. m.

Bottom temperature 46.5

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 46.5

Air 56° Surface 56° Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS:

## DREDGE ROPE.

DOWN.

UP.

9.20

10.30

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *1111* Date *Nov 11 1881**Machine.* — *Reel.*Turns *24* Cor. *-1* / Depth *3*~~Shot or lead~~ *25 lbs.*Bottom *qu. S.*Bottom temperature *41.5°*No. of Thermometer *51451* Cor. *-0.3°*Corrected temperature *47.2°*Air *5°* Surface *5°* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

Date

Number Machine. — Reel

Turns 20 Cor. + 1 Depth

Shot or lead 25 lbs.

Bottom G.S. bk. sh.

Bottom temperature 4

No. of Thermometer 51451 Cor. - 0

Corrected temperature 47

Air 57 Surface 56 Drift.

Trawl or dredge or tangles —

## SOUNDING WIRE.

DOWN.

UP.

- 05-0

8-06-10

## TURNS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

## DREDGE ROPE.

DOWN.

UP.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *Hy. 1928* Date *May*Machine. — Reel. *11*Turns *30* Cor. + *1* DepthShot or lead *25 lbs.*Bottom *fine sand*Bottom temperature *14*No. of Thermometer *51451* Cor. - *0.3°*Corrected temperature *48.*Air. *57* Surface *56* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

Date

July 17/92

Machine. — Reel.

Turns

Cor. +

1

Depth

Shot or lead

Bottom

Bottom temperature

No. of Thermometer

7451

Cor.

Corrected temperature

47.7°

Air

Surface

57

Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 10 Date June 5

Tanner Machine. — Reel.

Turns 43 Cor. + 2 Depth 45

Shot or lead 25 lb

Bottom fine sand

Bottom temperature

No. of Thermometer 51451 Cor.

Corrected temperature 46.9

Air 57 Surface 57 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

36-0

10-37-10

TURNS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

DREDGE ROPE.

DOWN.

UP.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 44. 1931 Date Aug 3Catfish Machine. — Reel.Turns 58 Cor. + 2 Depth 60Shot or lead 25 lbs.Bottom slBottom temperature 46.5No. of Thermometer 51451 Cor. -Corrected temperature 46.2°Air 57 Surface 57 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS:

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1932 *11/11* Date*Tanner* Machine. — Reel.Turns *67* Cor. + *2* Depth *69 fms*~~Shot or lead~~ *25 lbs.*Bottom *gn. M.*Bottom temperature *46.2°*No. of Thermometer *51451* Cor.Corrected temperature *45.9°*Air *57°* Surface *57°* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS:

## DREDGE ROPE.

DOWN.

UP.

*0 M* 12.06.30 08.30*0 M* 12.07.10

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 933 Hydro. Date Aug. 31<sup>st</sup> 1881

Tanner Machine. — Reel.

Turns 68 Cor. + 2 Depth 70 fms.

Shot or lead 25 lbs.

Bottom gr. M.

Bottom temperature 46.0°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 45.7°

Air 59° Surface 59° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

507  
H. 1900

No. 1900 Hydro. Date Aug. 31

Machine. — Reel.

Turns 61 Cor. + 2 Depth 63

Shot or lead 25 lbs.

Bottom

Bottom temperature 46.4°

No. of Thermometer — Cor. -0.3°

Corrected temperature 46.1°

Air 59 Surface " Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

11.11  
4.15  
1.15

11.15  
1.15  
2.15  
3.15  
4.15  
5.15  
6.15  
7.15  
8.15  
9.15  
10.15  
11.15  
12.15  
13.15  
14.15  
15.15  
16.15  
17.15  
18.15  
19.15  
20.15  
21.15  
22.15  
23.15  
24.15

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

Date

Machine. — Reel.

Turns 419 Cor. + 2 Depth 51 fms.Shot or lead 25 lbs.Bottom cr. C. & P.Bottom temperature 4No. of Thermometer 51451 Cor. -0.3Corrected temperature 47.1°Air 59° Surface 59° Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

5075

No. 1936 Hydro. Date Aug. 31<sup>st</sup>/11

Tanner Machine. — Reel.

Turns 339 Cor. + 7. Depth 346

Shot or lead 25 lbs.

Bottom M.

Bottom temperature 41.0°

No. of Thermometer 51451 Cor. - 0.1°

Corrected temperature 40.9

Air 59° Surface 57 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
14.10		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 37 Hydro Date Aug. 31<sup>st</sup>

Tanner Machine. — Reel.

Turns 319 Cor. + 7 Depth 326

~~Shot or lead~~ 25 lbs.

Bottom fine gy. S. bk. g.

Bottom temperature 42.1

No. of Thermometer 51451 Cor. - 0.3

Corrected temperature 41.8

Air 59 Surface 59 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
56.0		0		
6.0		100		
7.0		200		
8.0	7.0	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

507. *No bottom - see next page.*

No. *38* Date *Jan 1*  
*Tanner* Machine. — Reel.

Turns *374* Cor. + *7* Depth *381*  
Shot or lead *25 lbs.* no bottom at

Bottom

Bottom temperature *43.3°*

No. of Thermometer *51451* Cor. *-0.3°*

Corrected temperature *43.0°*

Air *59* Surface *59* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

*7:11* DOWN.

UP.

DOWN.

UP.

*57. 48*

*10. 15*

0

*58. 42*

*08. 15*

100

*59. 40*

*.0. 5. 45*

200

*00. 38*

*.03. 15*

300

*01. 35*

*5.02. 05*

*74*  
~~400~~

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

# REMARKS.

*used forward sounding*  
*no. 112*

No. 1938 Hydro. Date Aug. 31<sup>st</sup> 1889.

*inches* Machine. 2 Reel.

Turns 551 Cor. + 51 Depth 602

Shot or lead 35 lbs.

Bottom an. M.

Bottom temperature 40.3

No. of Thermometer 51.451 Cor.

Corrected temperature 40.2°

Air 59° Surface 59° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5.06.10

20.50

0

20.50

100

19.25

200

18.25

300

17.10

400

16.10

500

15.00

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 193 Hydro. Date May 11 1899.

Machine. — Reel. No. 2

Turns 333 Cor. + 32 Depth 365

Shot or lead 35 lb

Bottom gn. sh.

Bottom temperature 40.2

No. of Thermometer 51451 Cor. - 0.

Corrected temperature 40.4

Air 68 Surface Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 10113 Date 11/1/11

Tanner Machine. — Reel.

Turns 277 Cor. +

Depth 284 fms.

~~Shot or lead~~ 25 lbs.

Bottom

Bottom temperature

No. of Thermometer 5145 Cor.

Corrected temperature 41.4

Air 65° Surface Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

(11)

6	13.1
10	13.1
15	13.1
20	13.1

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1941 Hydro. Date Aug. 31<sup>st</sup> 18

Tanner Machine. — Reel.

Turns 170 Cor. + 5 Depth 175 fm.

Shot or lead 25 lbs.

Bottom fine bk. S.

Bottom temperature 4

No. of Thermometer 51451 Cor.

Corrected temperature 142.8°

Air 68° Surface 63° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1942 Hydro. Date Aug 21st

Tanner Machine. — Reel.

Turns 154 Cor. + 5. Depth 165

Shot or lead 25 lbs.

Bottom M. & bk. s.

Bottom temperature 44.0°

No. of Thermometer 51451 Cor. -0.3°

Corrected temperature 43.7°

Air 61° Surface 61° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

56.10 59.30  
57.45  
58.50 6.57.05

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1943 Hydro. Date Mar

Tanner Machine. — Reel.

Turns 154 Cor. + 5 Depth

Shot or lead 25 lbs

Bottom M

Bottom temperature 44.0

No. of Thermometer 51451 Cor.

Corrected temperature 43.

Air 61° Surface 61° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
00 1	00 20	0		
00 30	00 30	100		
00 45	00 45	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *1111* Date *July 11**Tanner* Machine. — Reel.Turns *154* Cor. + *5* Depth *159*.Shot or lead *25 lbs.*Bottom *M.*Bottom temperature *44.0°*No. of Thermometer *51451* Cor. *-0.3°*Corrected temperature *43.7°*Air *60°* Surface *60°* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

<i>7.40.10</i>	<i>44.15</i>	0	
<i>41.00</i>	<i>42.30</i>	100	
<i>41.30</i>	<i>7.41.45</i>	200	
		300	
		400	
		500	
		600	
		700	
		800	
		900	
		1000	
		1100	
		1200	
		1300	
		1400	
		1500	
		1600	
		1700	
		1800	
		1900	
		2000	
		2100	
		2200	
		2300	
		2400	

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

Date *Aug. 3*

Machine. — Reel.

Turns *180* Cor. + *5* Depth *185*~~Shot or lead~~ *25 lbs*

Bottom

*gn. m.*

Bottom temperature

*44*No. of Thermometer *51451* Cor. *-0.3*Corrected temperature *43.7*Air *60* Surface *60* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

*8-29-30**35-0**30-0**31-0*

## TURNS.

*0*

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

## DREDGE ROPE.

DOWN.

UP.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *1011*Date *Feb 11 1880*

Machine. — Reel.

Turns *123* Cor. + *4* Depth *127*Shot or lead *35 lbs*Bottom *Gravel*

Bottom temperature

No. of Thermometer *5145* Cor. *1.2*Corrected temperature *45.1°*Air *66* Surface *1* Drift.

Trawl or dredge or tangles —

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*20-30**24-30*

0

*21-30**9-22-0*

100

*43*  
200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1744 Date Aug. 31/8.

Sigsbee's Machine. — Reel. 0

Turns 94 Cor. + 3 Depth 97

Shot or lead 35 lb.

Bottom gravel.

Bottom temperature 46

No. of Thermometer 51151 Cor. - 0

Corrected temperature 45.70

Air 60 Surface 60 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

11 16 3

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

# REMARKS.

No.

1948

Date

Oct.

Machine. — Reel.

Turns

77

Cor. +

3

Depth

80

Shot or lead

25 lbs.

Bottom

gy. m.

Bottom temperature

No. of Thermometer 51451 Cor.

Corrected temperature 45.7°

Air

59

Surface

59

Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

10-56-0

10-57-0

## TURNS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

## DREDGE ROPE.

DOWN.

UP.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *Hy. 174*, Date *May 31*  
*Tanner* Machine. — Reel. *1*

Turns *64* Cor. + *2* Depth *66*

Shot or lead

Bottom *fine sand*

Bottom temperature *46.2*

No. of Thermometer *451* Cor.

Corrected temperature *45.8°*

Air Surface *59°* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11-45-30</i>	<i>11-46-30</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *Hydro* Date *June 15 1881*  
 Machine. *Reel.*  
 Turns *63* Cor. + *2* Depth *65 fms*  
 Shot or lead *25 lbs.*  
 Bottom *m. H.*  
 Bottom temperature *45.5*  
 No. of Thermometer *1* Cor. *-0.3*  
 Corrected temperature *45.2*  
 Air *59°* Surface *59* Drift.  
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>44.42</i>	<i>46.30</i>	0		
<i>45.10</i>	<i>45.25</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1951 Nyl. Date Sept. 1<sup>st</sup> 1885

inner Machine. — Reel.

Turns 60 Cor. + 2. Depth 62 fms.

Shot or lead 25 lbs

Bottom m. M

Bottom temperature 46.

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 45.7°

Air 56° Surface 56° Drift.

Trawl or dredge or tangles

*A.M.* SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1.44.00

46.00

0

1.32

1.44.45

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

# REMARKS.

No. 1000 Date Dec 1, 1901

Tanner Machine. Reel.

Turns 55 Cor. + 2 Depth 57 fms.

Shot or lead 25 lbs.

Bottom gn. M.

Bottom temperature 46.1

No. of Thermometer 51451 Cor. -0.3

Corrected temperature 46.4

Air 55° Surface 55° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.44.50	46.25	0		
45.20	2.45.35	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL-TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1773 Date *June 15 1881*

*Machine.* — *Reel.*

Turns *60* Cor. + *2* Depth *62 fms*

~~Shot or lead~~ *25 lbs.*

Bottom *bk. s. + m.*

Bottom temperature *46.5°*

No. of Thermometer *51451* Cor. *0.2°*

Corrected temperature *46.2°*

Air *51°* Surface *55°* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*3.21.3*  
*3.22.16*

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *11*Date *8 / 1**Reel* Machine. — Reel.Turns *70* Cor. + *2* Depth *72*Shot or lead *35 lbs.*

Bottom

Bottom temperature *46.4*No. of Thermometer *51451* Cor. - *0*Corrected temperature *46.1°*Air *56* Surface *55* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*4-18-0**4-20-0*

0.

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *44*Date *Sept*

Machine. — Reel.

Turns *8*Cor. + *1*Depth *42*Shot or lead *25 lbs*Bottom *fine sand*Bottom temperature *46*No. of Thermometer *5-4-7*Cor. *-0.2*Corrected temperature *45.8*Air *56*Surface *5*

Drift.

Trawl or dredge or tangles

*W* SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 116

Date Sept 10

Machine. — Reel.

Turns 116 Cor. + 4 Depth 120

Shot or lead 35 lbs

Bottom

Bottom temperature 45.2

No. of Thermometer 51451 Cor.

Corrected temperature 45.1

Air 59 Surface 57 Drift.

Trawl or dredge or tangles —

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *Ny 1957* Date *Sept 1/51*

*Wanner* Machine. — Reel.

Turns *84* Cor. + *3* Depth *87*

Shot or lead *25 lbs*

Bottom *bk s s m*

Bottom temperature *45.1*

No. of Thermometer *51451* Cor. - *0.3°*

Corrected temperature *45.5*

Air *59* Surface *59* Drift.

Trawl or dredge or tangles

# SOUNDING WIRE.

DOWN.

UP.

## TURNS.

# DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 0 Date

Machine. — Reel.

Turns 61 Cor. + 2 Depth 68

Shot or lead

Bottom A

Bottom temperature 4

No. of Thermometer 51451 Cor.

Corrected temperature 45.7°

Air 62 Surface 60 Drift. 3/4 m N 1/2 S

Trawl or dredge or tangles P. m. u. l. c. e. n.

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.	UP.		DOWN.	UP.
10		0		
		100		
		60	58-0	8-05-0
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

#### REMARKS.

Green Machine. Numerous Antidon.  
 large + small. " " " " " "  
 7 " " " " " " " "  
 " " " " " " " "  
 " Brachiopod-

No. 28. Date Sept 1

Tanner Machine. — Reel.

Turns Cor. + 2 Depth

Shot or lead 35 lbs

Bottom Rock

Bottom temperature

No. of Thermometer 51451 Cor. -

Corrected temperature

Air 61° Surface 54° Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

0

11-0

## TURNS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

## DREDGE ROPE.

DOWN.

UP.

Collection boat accompanying ship in dock at 9:15. Excursion in net made at 9:30.

1 small black fish. Collection boat - 1 Mullet.

Under fishing with 7 lines in stream. 3 lines fished at 8:20 and 8:30. 3 lines fished at 8:40 with black bottom.



2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1959 *Hylas*. Date *Sept**aimer* Machine. — Reel.Turns *56* Cor. + *2* Depth *58 fms*~~Shot or lead~~ *25 lbs.*

Bottom

Bottom temperature *46.5°*No. of Thermometer *51451* Cor. *-0.3°*Corrected temperature *46.2°*Air *61°* Surface *59°* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

*25**51.10**49.55**8.50.05*

## TURNS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

## DREDGE ROPE.

DOWN.

UP.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1 Hydro. Date Sept. 1<sup>st</sup> 1889.  
 Machine. — Reel.

Turns 74 Cor. + 3 Depth 77 fms.

Shot or lead 35

Bottom C.

Bottom temperature

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 45.7°

Air 60° Surface 59° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1911 Hydro. Date Sept

Machine. — Reel.

Turns 71 Cor. + Depth

Shot or lead 7

Bottom

Bottom temperature 46.1°

No. of Thermometer 4 Cor.

Corrected temperature 45.8°

Air 60° Surface 59° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1962 Hyars. Date Sept. 1<sup>st</sup>

Tanner Machine. — Reel.

Turns 72 Cor. + 3

Depth 75 fms.

Shot or lead 25 lbs.

Bottom C.

Bottom temperature 46.0°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 45.7°

Air 60° Surface 59° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.40.45	12.30	0		
41.18	10.41.30	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

507.  
No. 5

No. 1963 Hydro. Date Sept. 1<sup>st</sup> 1889.  
Tanner. Machine. Reel.

Turns 59 Cor. + 2. Depth 61 fms.  
Shot or lead 25 lbs.

Bottom Rky.

Bottom temperature 46.0°

No. of Thermometer 51451 Cor. -0.3°

Corrected temperature 45.7°

Air 59° Surface 59° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

11.03.25 05.05

03.55 11.04.05

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Abr	Meaning	Abr	Meaning
C	Clay.	lge	Large
Co	Coral	rky.	Rocky
For		sft.	Soft
G	Gravel	sml	Small
Glob	Golbequina	stk	Sticky
M.	Mud.	sft.	Soft.
Oz.	Oze	bk.	Black
P.	Pebbles	br.	Brown
Pter.		bw	Blue
R.	Rocks	choc	Chocolate
S.	Sand.	dk	Dark
Sh.	Shells.	gr	Green
Sp.	Specks.	rd	Red
St.	Stones	slat	Slate
brk	Broken	yl.	Yellow
gy	Gray		
lt.	Light		
Wh.	White		
crs	Coarse		
fine	Fine		
hd	Hard.		

# Tanner Machine

400 turns on reel

Turns	Correction
16 to 38	+ 1
38 " 70	+ 2
70 " 105	+ 3
105 " 142	+ 4
142 " 190	+ 5
190 " 260	+ 6
260 " 384	+ 7